



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : C07H 21/04, C07K 14/00, C12N 5/00, 15/00, 15/63, C12P 21/00	A1	(11) International Publication Number: WO 00/29423 (43) International Publication Date: 25 May 2000 (25.05.00)
(21) International Application Number: PCT/US99/26303 (22) International Filing Date: 8 November 1999 (08.11.99) (30) Priority Data: 60/108,111 12 November 1998 (12.11.98) US (71) Applicant (for all designated States except US): MERCK & CO., INC. [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): LIU, Qingyun [CN/US]; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US). WANG, Ruiping [CN/US]; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US). BAILEY, Wendy, J. [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US). DAVIDOFF, Michael [US/US]; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US). (74) Common Representative: MERCK & CO., INC.; 126 East Lincoln Avenue, Rahway, NJ 07065-0907 (US).		(81) Designated States: CA, JP, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>

(54) Title: G PROTEIN-COUPLED RECEPTOR RESEMBLING THE LEUKOTRIENE B4 RECEPTOR**(57) Abstract**

cDNA encoding a novel human G-protein coupled receptor, HG07, as well as the protein encoded by the cDNA, is provided. Methods of identifying agonists and antagonists of HG07 are also provided.